

Work Order ID 61849



Page 1

September 9, 2010 8:48:25 AM

Item ID: D204-562-041

Accept



Setup Start



Revision ID:

Stop



Item Name: Cargo Mirror Assembly

Start Date: 9/08/10 Start Qty: 9.00



Cust Item ID:

Required Date: 9/17/10 Req'd Qty: 9.00



Customer:

Reference: ECN10-611

Approvals: Process Plan:

[Signature]

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

N/A

Rev N/A

100

0.00



DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile & type labels per PPPD204-562-041 CHG003

[Signature] MF 10-9-21

CHG004 5/10/09/20

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Item ID: D204-562-041

Accept



Setup Start



Revision ID:

Stop



Item Name: Cargo Mirror Assembly

Start Date: 9/08/10 Start Qty: 9.00



Cust Item ID:

Required Date: 9/17/10 Req'd Qty: 9.00



Customer:

Reference: ECN10-611

Approvals: Process Plan: Date: Tooling: Date:

Run Start



QC: Date: SPC (Y/N): Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
110 	Pick Kit	0.00							
Packaging	Memo	0.00							
Packaging	PULL FROM STOCK: 4 X D204-562-041 B45877 5 X D204-562-041 B48287 REWORK TO CHG 004 PER ECN10-611 REMOVE 2 X D2011-103 MIRROR RETURN TO STOCK, CHANGE TO 2 X D3439-101 MIRROR B <u>61847</u> <i>SP</i> REMOVE 4 X CCR264SS3-2 B _____ & 2 X MS21059L3 B _____ FROM EACH KIT, AND RETURN TO STOCK ADD TO EACH KIT: <u>61877</u> <i>SP</i> 4 X D4164-041 B _____ 8 X MS20426AD3-4 B <u>104374</u> <i>SP</i> QC4- 100% Inspect kits for completeness								
120 	QC	0.00							
Quality Control	Memo	0.00							

10/9/2010

10/10/2010

29

Work Order ID 61849



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Item ID: D204-562-041

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Revision ID:

Stop



Item Name: Cargo Mirror Assembly

Start Date: 9/08/10 Start Qty: 9.00



Cust Item ID:

Required Date: 9/17/10 Req'd Qty: 9.00



Customer:

Reference: ECN10-611

Run Start



Approvals: Process Plan:

Date:

Tooling:

Date:

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

130

0.00



Packaging

Packaging

Memo

0.00

Reo B
Loc 24

10/1/08 sf (9x)

Packaging

S
10/24/24

RE-PACKAGE PER PPP USING NEW B/N
NEW LABELS REQUIRED AT CHG004
NEW PAPERWORK REQUIRED TO RELECT CHANGE

140

0.00



QC

QC21- Final Inspection - Work Order Release

Memo

0.00

Quality Control

10/09/30

MF
10-9-29

Picklist Print

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Page 1

Work Order ID: 61849

Parent Item: D204-562-041

Parent Item Name: Cargo Mirror Assembly



Start Date: 9/08/10

Required Date: 9/17/10

Start Qty: 9.00

Required Qty: 9.00

Comments: IPP Rev:1 Removed Manufacturing 05-11-01 JLM
AS PER ECN 10-611 10-09-07 JLM VERIFIED BY:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

CCR264SS3-2

Purchased

No

Each

184.0000

-36



Rivet, Cherry

N A Not in Kit

Location

Loc Qty

Loc Code

ST311

184

106578

45

108738

39

112314

100

D204-562-041

Manufactured

No

Each

9.0000

9



Cargo Mirror Assembly

Location

Loc Qty

Loc Code

FG024

9

45877

4

48287

5

D3439-101

Manufactured

No

Each

3.0000

2 18



Mirror Assembly 8"

Location

Loc Qty

Loc Code

ST226

1

60512

1

ST228

2

60512

2

D4164-041

Manufactured

No

Each

0.0000

36



Nut Plate Adapter Assembly

**4 p/s 147*



B6187A 10/1/00 sf

-15

18x B6847 10/9/02 sf

B

Picklist Print

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Work Order ID: 61849

Parent Item: D204-562-041

Parent Item Name: Cargo Mirror Assembly

Start Date: 9/08/10

Required Date: 9/17/10

Start Qty: 9.00

Required Qty: 9.00

MS20426AD3-4

Purchased

No

Each

6,540.000

52 per kit 72



RIVET

Location

Loc Qty

Loc Code

ST316

6540

104374

2540

110398

4000

Each

37.0000

-18

MS21059L3

Purchased

No



Nut Plate

Location

Loc Qty

Loc Code

ST301

37

114718

37

110

Each

26.0000

-18

D2011-103

Manufactured

No



8" Mirror

Location

Loc Qty

Loc Code

ST226

26

58399

26

2+
B413342
10/9/22 SP
18X

September 9, 2010 8:48:24 AM

Shop Packet Print

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ENGINEERING CHANGE NOTICE

DART AEROSPACE LTD

Date: 10.08.26	Job No: 2010034	ADR Yes/No: NO	ADR Date:	ECN #: 10- 611
Product No.: D212-580		Created By: KB	Approved By: <i>[Signature]</i>	
Product Name: Dual Cargo Mirror and LED Pulse Light Kit		Checked By: DS	General Manager Approval: NA	

Distribution	Reqd	Resp	Initial / Date
Production Manager / Coord.	Y	LL	
Purchasing Coord.	N		
Production Engineering Coord.	Y	JL	

Distribution	Reqd	Resp	Initial / Date
DQA / QA Coord.	N		
QC Coordinator	N		
Customer Technical Support	Y	DS	
Marketing	Y	SW	
Customer Order Processing	N		

Reason for Change:

Release new D212-580-043 Pulse Light Kit

Documents Affected:

DR-212-580 Rev. H	IIN-D212-580-2 Rev. A
MDL-D212-580 Rev. D	D4078 Rev. B, D4079 Rev. B, D4081 Rev. A, D4164 Rev. A
CA-D212-580 Rev. 2	D212-580-901 Rev. A, D212-580-903 Rev. A
N-D212-580 Rev. D	SH92-16 Issue 4
N-D212-580-1 Rev. A	

PARTS MUST COMPLY



PREVIOUS PARTS SATISFACTORY



#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3					

#	Engineering Actions	Reqd	Resp	Notes	Complete
4	Required Documents/Drawings Under Review	N			
5	Update Master Document List (MDL)	Y	KB	MDL-D212-580 Rev. D	10.08.13 <i>[Signature]</i>
6	Update Product Compatibility Matrix	N			
7	Create Eurocopter Form (FEE)	N			
8	Notify TC / FAA of Change	N			
9					

#	Document Control Actions	Reqd	Resp	Notes	Complete
0	Move Electronic Files	Y	KJ		10.09.07 <i>[Signature]</i>
1	Update Blue/Pink/DSI Folder and Electronic Files	Y	KJ		10.09.07 <i>[Signature]</i>
2	Update Approved/Preliminary PDF Files	Y	KJ		10.08.13 <i>[Signature]</i>
3	Update Document Record (DR)	Y	KB	DR-D212-580 Rev. H	
4	Update Product Development Summary	Y	MP		
5	Update QSI 021 and/or STC Approval List	Y	KJ		10.09.07 <i>[Signature]</i>
6	Update Parts / STC Database	Y	KJ		10.09.07 <i>[Signature]</i>
7	Update / Verify ARC Database	Y	KJ		10.09.07 <i>[Signature]</i>
8	Create / Update Change Record Form / Item Card Database	Y	KJ	See Below	10.09.07 <i>[Signature]</i>
9	Create / Update PPP's	Y	KJ		10.09.07 <i>[Signature]</i>
10	Update Document Control Database / Laminated Dwgs	N	KJ		
11	Update Grey Project / Electronic Binder PDF Files	Y	KJ	Add ADR + All Engineering Documents	10.09.07 <i>[Signature]</i>
12	Update D-Part/M-Drawing/DSI/DEO Master Binders	Y	KJ		10.09.07 <i>[Signature]</i>
13					
14					

Description / Action:

D212-580-041 }
D205-563-041 } Now at CHG 004 with change to D3439-101 Mirror (*Update Kits in Stock to CHG 004*)
D204-562-041 }

D212-580-043 will be at CHG 001

Update BOM + Routings for D212-580-041 / D205-563-041 / D204-562-041 based on IIN-D212-580-1.

Ensure routings created for all parts on D4078 / D4079 / D4081 / D4164 and that routings reflect latest dwg revision.

Create / verify BOM + routings for D212-580-043 per IIN-D212-580-2.

Put small QTY of D212-580-043 in stock.

61849
61850
61851

ECN Verified & Complete: _____

Date: _____

List Lots

September 8, 2010 9:02:54 AM

Criteria : Item ID: D204-562-041 All Locations All Warehouses All Quantity

Item ID	Warehouse ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt	Type Code	Comments
Item Name	Location ID				Lot Code		
D204-562-041	Main Warehouse	45877	12/05/09	4.0000	QC21	CHG003	
Cargo Mirror Assy	FG024						
	Main Warehouse	48287	12/05/09	5.0000	QC21	CHG003	
	FG024						

9.0000

10/19/12
SP

\$1849

DART
Dart Aerospace Ltd.
1270 ABERDEEN ST.
HAWKESBURY, ON, CANADA K6A 1K7

TC APPROVAL # 09-89
TEL: 1-613-632-5200

P/N	D204-562-041	CHG	CHG003
DESC.	Cargo Mirror Assy	STC	SH92-16
LOT	B45877	STC	SH975NE
MODEL	Bell 204	STC	

MADE IN CANADA D2729-1

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Dart Aerospace Ltd.
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TC APPROVAL # 09-89
TEL: 1-613-632-5200

P/N	D204-562-041	CHG	CHG003
DESC.	Cargo Mirror Assy	STC	SH92-16
LOT	B48287	STC	SH975NE
MODEL	Bell 204	STC	

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P/N	D204-562-041	CHG	CHG003
DESC.	Cargo Mirror Assy	STC	SH92-16
LOT	B48287	STC	SH975NE
MODEL	Bell 204	STC	

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LOT	B45877	STC	SH975NE
MODEL	Bell 204	STC	

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DESC.	Cargo Mirror Assy	STC	SH92-16
LOT	B48287	STC	SH975NE
MODEL	Bell 204	STC	

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LOT	B45877	STC	SH975NE
MODEL	Bell 204	STC	

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LOT	B45877	STC	SH975NE
MODEL	Bell 204	STC	

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DESC.	Cargo Mirror Assy	STC	SH92-16
LOT	B48287	STC	SH975NE
MODEL	Bell 204	STC	

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TC APPROVAL # 09-89
TEL: 1-613-632-5200

P/N	D204-562-041	CHG	CHG003
DESC.	Cargo Mirror Assy	STC	SH92-16
LOT	B48287	STC	SH975NE
MODEL	Bell 204	STC	

MADE IN CANADA D2729-1

25.4 WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D204-562-041	5.0 lb	0 in	0 lb-in	3.80 in	19.0 in-lb
Dual Mirror Installation	2.3 kg	0 m	0 kg-m	0.10 m	0.23 m-kg
D205-563-041	5.0 lb	0 in	0 lb-in	3.80 in	19.0 in-lb
Dual Mirror Installation	2.3 kg	0 m	0 kg-m	0.10 m	0.23 m-kg
D212-580-041	5.0 lb	0 in	0 lb-in	-5.25 in	-26.3 in-lb
Dual Mirror Installation	2.3 kg	0 m	0 kg-m	-0.13 m	-0.30 m-kg

25.5 PARTS LIST


Qty 562 -041	Qty 563 -041	Qty 580 -041	Part Number	Description
X			D204-562-041	DUAL MIRROR INSTALLATION
	X		D205-563-041	DUAL MIRROR INSTALLATION
		X	D212-580-041	DUAL MIRROR INSTALLATION
2	2	2	D2011-103	MIRROR
1			D2161-204	MIRROR BRACKET
	1		D2161-205	MIRROR BRACKET
		1	D2161-212	MIRROR BRACKET
*2	*2	*2	D3015-3	LOCKNUT
*2	*2	*2	AN960JD516	WASHER
		4	CCR264SS-3-2	RIVET, BLIND
		2	MS21059L3	NUTPLATE
4	4	4	MS27039-1-08	SCREW

* PARTS ARE INCLUDED WITH D2011-103 MIRROR

REFERENCE ONLY

4.0 PARTS LIST

Qty 562 -041	Qty 563 -041	Qty 580 -041	Part Number	Description
X			D204-562-041	DUAL MIRROR INSTALLATION
	X		D205-563-041	DUAL MIRROR INSTALLATION
		X	D212-580-041	DUAL MIRROR INSTALLATION
2 ✓	2 ✓	2 ✓	D3439-101	MIRROR (WAS D2011-103)
1 ✓			D2161-204 ✓	MIRROR BRACKET
	1 ✓		D2161-205 ✓	MIRROR BRACKET
		1 ✓	D2161-212 ✓	MIRROR BRACKET
*2	*2	*2	D3015-3	LOCKNUT
*2	*2	*2	AN960JD516	WASHER
		8 ✓	MS20426AD3-4 <i>rec</i>	RIVET, COUNTERSUNK
		4 ✓	D4164-041	NUT PLATE ASSEMBLY
4	4 ✓	4 ✓	MS27039-1-08	SCREW

* PARTS ARE INCLUDED WITH D3439-101 MIRROR

Add MS20426AD3-4 x 8
Remove MS20426AD3-4 x 2
MS27039-1-08 x 2

Done

REFERENCE ONLY

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Revision: A

Date: 10.07.20